



**INDUSTRIAL AUTOMATION**

# **BILLET TAGGING**

**The billet tagger has been designed around a standard robot for extreme mechanical reliability and high speed tagging. Robots have been in operation at numerous steel plants for many years and have proven to be reliable, even in tough conditions.**

The billet tagger uses pneumatics to nail a heatproof label onto the end or side of a billet. The robot in combination with the tagging system is used for marking hot products with surface temperatures up to 1100°C (2012°F).

The tagger measures the position of the billet on the roller table and nails the label on the end or side of the billet. The whole process from product in-feed to out-feed takes approximately 30 seconds.

#### **FEATURES:**

- Fully automatic tagging system
- Flexible operation by using a standard robot
- Free programmable
- Nail level indication and warning when nearing empty
- Easy installation integration in existing and new production lines
- 99.99% availability
- Decreases possibilities of human injury
- Low maintenance costs

## BILLET TAGGING

### Standard Specifications

Measuring time	10 sec.
Tagging time	1.0 sec.
Billet width	Min. 60 mm (3 inches)
Control	Robot control + S7 3xx PLC
Communication	Ethernet/Profibus DP
Communication protocol	Any standard
Maximum billet surface temperature	1100 °C (2012°F)
Overall height	2,250 mm (89 inches)
Overall length	3,200 mm (126 inches)
Overall depth	2,700 mm (106 inches)
Power consumption	14.0 kW
Supply voltage	Any Standard



### Additional Options:

- Paint marking for cooler billets
- Heat proof label attachments
- PC in the operator pulpit
- Traverse system (to move the robot between two production lines)
- PLC make and model based on the customer's request

